

Product Information

PS-Series Optical Fiber Camera Conversion System
PS-270HD Series Handy Camera Adaptor
PS-470HD Series Shoulder Camera Adaptor
PS-570HD Series Base Station



Features;

- Transferrable signal with the single link system are;
1) HD/SD SDI 2) Return video 3) Intercom 4) Tally and TC
5) Camera control data* / Gen lock**
- Lossless long distance capability(max.2km)
- Support embedded audio
- Broadcast quality video & audio
- Signal error detection
- Durable, high performance & versatile functions
- Simple & cost effective
- Multimode or single mode available
- Camera signal can be adjusted with camera remote control unit from Sony or Panasonic.
- V-mount battery operation
- AC/DC operation

Remarks: * Except PS-270HD, ** PS-270SHDG only

Single Link Cost Effective Optical Fiber System

PS-series Optical Fiber System can transfer HD/SD SDI signal with single fiber optics cable, high quality and cost effective field or studio production system can be constructed. Transferrable signals are;

***HD/SD SDI , *Return Video, *Intercom, *Tally and TC and Camera Control Date/Gen Lock(except PS-270)**

Camera Adaptor for Handy type Camcorder available

Camera Adaptor for Handy type camcorder is also available as well as Shoulder type camcorder in the PS-series, the available product range are;

PS-270HD Series: Camera Adaptor for Handy type Camcorder

PS-470HD Series: Camera Adaptor for Shoulder type Camcorder

PS-570HD Series: Base Station

Easy set up with proper HD viewfinder HDM-70WV

HDF-700 series or HDM-70 series high grade HD viewfinder can be easily equipped with PS-series Camera Adaptor and Panasonic or Sony camcorder, the combination can realize easy camera set-up and professional monitoring. Camera/Return signal switching on monitor screen is available with zoom demand controller from Fujinon/Canon for shoulder type camcorder or Protech zoom demand controller for Handy type camcorder.



VF Interface Unit(Shoulder type only)

With VIF-100 series VF Interface unit Tally and Return signal can be checked on viewfinder of camcorder manufacturer (Panasonic/Sony). VIF-100P for Panasonic Camcorder, VIF-100BC for Sony broadcast grade camcorder and VIF-100 for Sony professional camcorder.



Operational Status Indicator/Tally Light & Selector

Operational status of communication between camera adaptor and base station is displayed in real time on operation status indicator which is located on front panel of base station PS-570HD Series. Tally light & Selector is also located on front panel of base station PS-570HD series.



Remote Control Operation*

Remote control unit from Panasonic or Sony can be connected and operated with Base Station PS-570HD Series for camera signal adjustment such as iris, gain, white balance, black level, gamma, detail, etc. The adjustable items are depend on controller, model number and brand you wish to connect with PS-570HD Series must be informed at time of purchase.

Panasonic; AG-EC4



AJ-RC10G



Sony; RM-B150



RM-B750



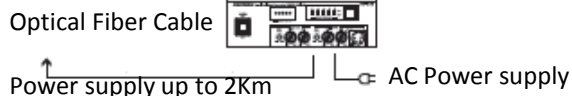
*Remarks: All Sony Handheld Camcorder which has RMB-B750/B150 remote control I/F and Panasonic new Handheld camcorder AG-HPX255 can be remote controlled with AG-EC4

Powerful AC/DC operation

Both of AC Power Supply and DC power operation from V-mount Battery(DC12V/14.4V) is available , with low power consuming designed power circuit can realize long time operation for field production, consumable max. power is 70W. Extendable maximum distance from Camera Adaptor to Base Station is up to 2km.

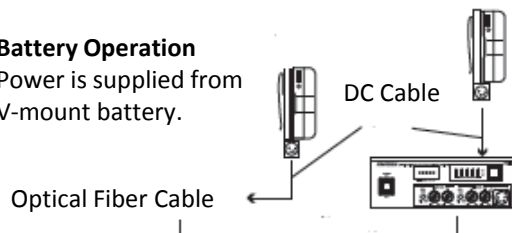
AC Operation

Cam Light/Prompter can be used.



Battery Operation

Power is supplied from V-mount battery.



Cost Effective High Quality Optical Fiber Cable

ARIB* standard cost effective high quality optical fiber cables** are available as option for connection between Camera Adaptor and Base Station; ALC-20M for 20m, ALC-50M for 50m and ALC-100M for 100m, longer than 100m cable is available on request base.

remarks: *Association of Radio Industries and Business in Japan

**LEMO type optical fiber connector is standard, TAJIMI type connector is also available on request base.

PS-270HD/PHDG/SHDG* Handy Camera Adaptor

- HD/SD-SDI input from a camera
- RET video output to the camera
- 4-pin XLR intercom headset jacks (x2)
- 12V DC output
- Front & rear TALLY indicators
- SMPTE Fiber cable connector
- Camera Remote Connector(except PS-270HD)
- Gen-Lock(PS-270SHDG only)



*Remarks: PS-270HD: For camcorder without camera remote/gen-lock such as AG-HPX250,AG-AS160,etc.
 PS-270PHD: For camcorder with camera remote but without gen-lock such as AG-HPX255, etc.
 PS-270SHDG: For Sony handheld camcorder with camera remote & gen-lock.



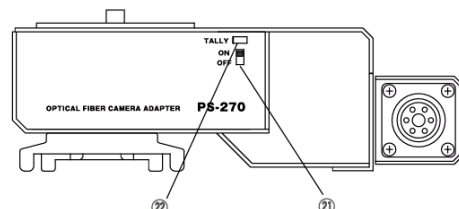
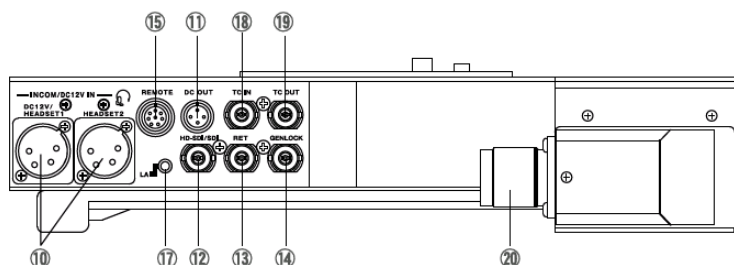
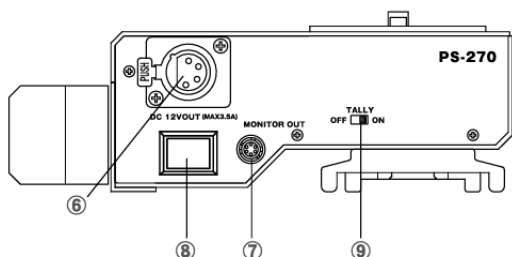
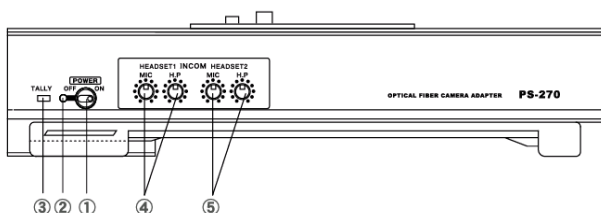
Connector panel



Front view



Rear view



- 1 Power Switch
- 2 Power Indicator LED
- 3 Tally Indicator
- 4 Headset 1 Intercom volume control
- 5 Headset 2 Intercom volume control
- 6 DC12V Output connector(XLR 4p female)
- 7 MON Connector
- 8 Tally Indicator
- 9 Tally On/Off SW
- 10 Intercom Headset Connector(XLR 4p male)
- 11 DC Output Connector(for Handy Camera 8.4V or Wireless Receiver 12V)
- 12 HD/SD SDI Input Connector(BNC)
- 13 RET Video Composite Output Connector(BNC)
- 14 Gen Lock Output Connector(BNC)
- 15 Remote Connector(10p for Panasonic/8p for Sony)
- 17 LANC Connector
- 18 TC Input Connector
- 19 TC Output Connector
- 20 Optical Fiber Cable Connector
- 21 Tally On/Off SW
- 22 Rear Tally Indicator

PS-470PHDG/SHDG* Shoulder Camera Adaptor

- HD/SD-SDI input from a camera
- RET video output to the camera
- Gen lock output to the camera
- Camera remote controller(Sony or Panasonic)* connectable
- 4-pin XLR intercom headset jacks (x2)
- 12V DC output
- Front & rear TALLY indicators
- SMPTE Fiber cable connector

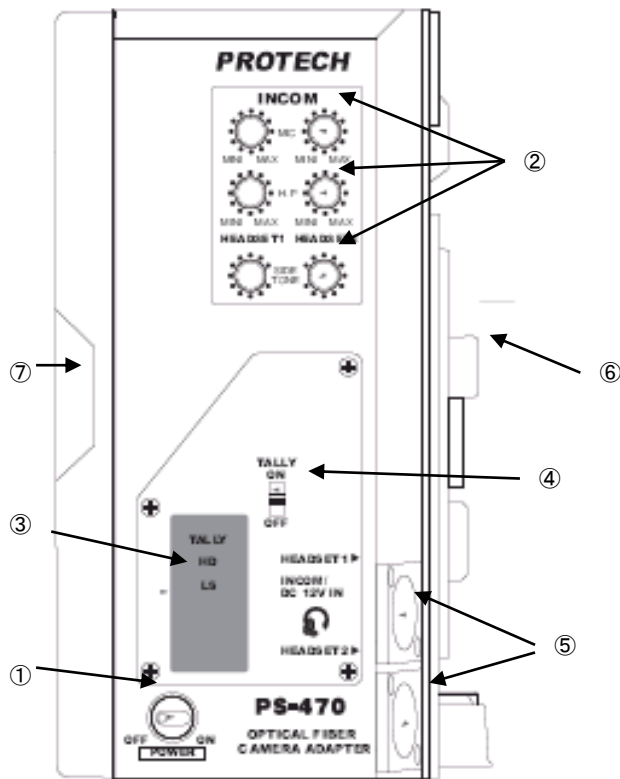


Main Panel

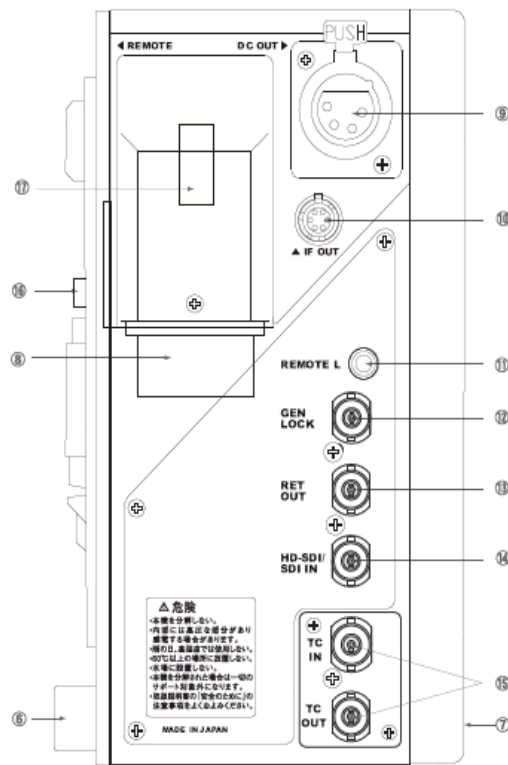


Connector Panel

*Remarks: PS-470PHDG For Panasonic Shoulder type camcorder
PS-470SHDG For Sony Shoulder type camcorder



Main Panel



Connector Panel

- 1 Power SW
- 2 Intercom Volume Control
- 3 Operational Status LED Indicator Panel
- 4 Tally On/Off SW
- 5 Intercom Headset Connector & DC12V Power Input (XLR 4p male)
- 6 Battery Holder(Sony Li-ion Battery)
- 7 V-mount Adaptor

- 8 SMPTE Optical Cable Connector
- 9 DC Power(12V) Output Connector(XLR 4p female)
- 10 IF(Monitor) Output Connector(6pin)
- 11 Remote(LANC) Connector(Φ2.5 mini jack)
- 12 Gen Lock Output Connector(BNC)
- 13 RET Output Connector(BNC)
- 14 HD/SD SDI Input Connector(BNC)
- 15 TC Input / Output Connector(BNC)
- 16 Remote Connector(10p for Panasonic, 8p for Sony)
- 17 Tally light

PS-570PHD/PHDG/SHDG* Base Station

- HD/SD-SDI output
- RET video input
- Gen lock input
- Camera remote controller(Panasonic or Sony)* connectable
- 4-pin XLR intercom headset jacks (x2)
- 12V DC input & AC power supply
- TC input/output
- TALLY input/output
- SMPTE Fiber cable connector



*Remarks: PS-570PHD with camera remote for Panasonic handheld type camcorders
 PS-570PHDG with camera remote & gen-lock for Panasonic shoulder type Camcorders
 PS-570SHDG for Sony Camcorders

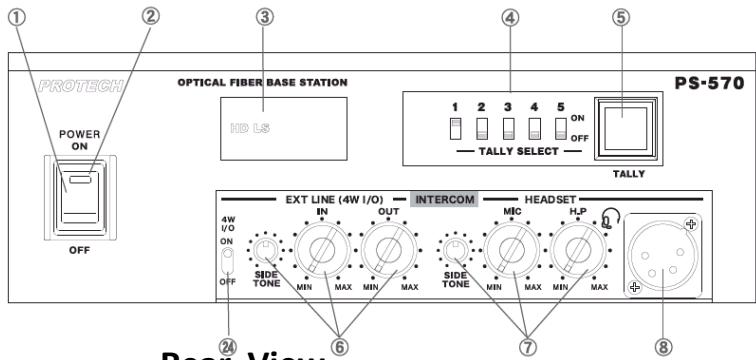
Front View



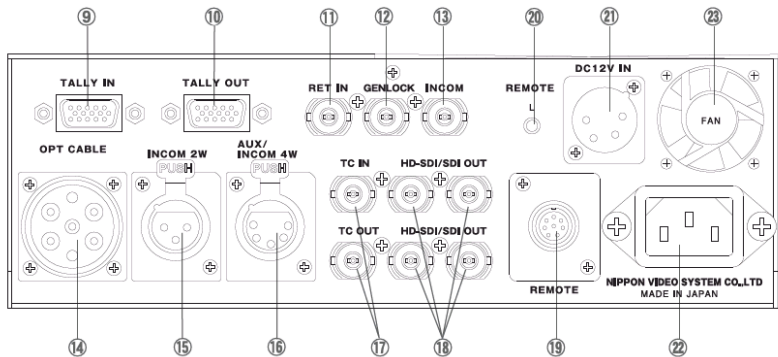
Rear View



Front View



Rear View



- 1 Power SW
- 2 Power Indicator
- 3 Operational Status indicator
 HD; light up when HD signal received, light off when SD signal received
 LS; light up when optical signal received
- 4 Tally Selector SW
- 5 Tally Indicator
- 6 Ext. Audio Line volume control
- 7 Intercom volume control
- 8 Intercom Headset Connector(XLR 4p male)
- 9 Tally Input Connector(HD D-sub 15p female)
- 10 Tally Output Connector(HD D-sub 15p female)
- 11 RET Input Connector (BNC)
- 12 Gen Lock Input Connector(BNC)
- 13 Intercom Bridge Connector(BNC)
- 14 Optical Fiber Connector
- 15 Intercom 2W Connector(XLR 3p female)
- 16 AUX/Intercom 4W Connector(XLR 5p female)
- 17 TC Input / Output Connector(BNC)
- 18 HD/SD SDI Output Connector
- 19 Remote Connector(10p for Panasonic/8p for Sony)
- 20 Remote(LANC) Connector
- 21 DC 12V Input Connector(XLR 4pin male)
- 22 AC Power Supply Connector
- 23 Ventilation Fan
- 24 Intercom EXT Line 4W I/O On/Off SW

PS-270PHD Connection Example:

Panasonic AG-HPX255

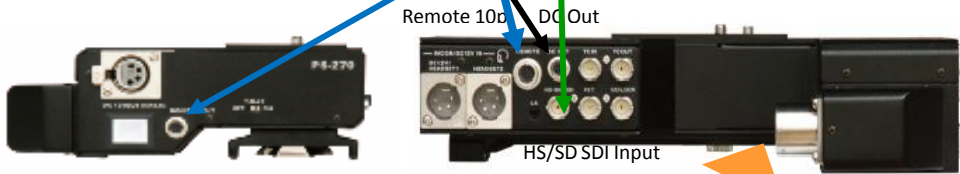


Protech VF Monitor LVM-89W



Mount Bracket UH25

Camera Adaptor PS-270PHD



Front Panel

Headset DL-400



Connection Panel

Optical Fiber cable

Rear Panel

Panasonic AG-EC4



*Remote control function is available with AG-HPX255 only, other handheld camcorder from Panasonic unable to be remote Controlled.

Next Base Station



Base Station PS-570PHDG Rear View View



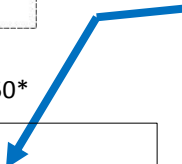
Panasonic AV-HS410

Headset DL-400



To Intercom Connector on Front Panel

Tally Cable TC-550*



PS-470PHDG Connection Example-A:

Panasonic AJ-HPX370

Tally (Red/Green) with BNC Cable

Protech VF Monitor LVM-89W

Lens Control Cable

Video Output with BNC Cable

Video In
MONI IF

Mount Bracket UH25

VC-450 6p Cable for
RET, Tally and DC Power
For Monitor

Camera Adaptor PS-470PHDG

Remote Cable RCC-450P

HD/SD SDI Camera
Output with BNC Cable

Headset DL-400

Operation Panel

Connector Panel

Optical Fiber cable

Panasonic AJ-RC10G

or AG-EC4

Next Base Station

Base Station PS-570PHDG Rear View View

Switcher

Tally In Tally Out RET Video In Remote

RET Video Out

HD/SD SDI Output with
BNC Cable

Tally Cable TC-550

Tally In

HD/SD SDI In

Headset DL-400

To Intercom Connector
on Front Panel

Tally Cable TC-550*

Tally In

Tally Out

RET Video In

Remote

RET Video Out

HD/SD SDI Output with
BNC Cable

Tally Cable TC-550

Tally In

HD/SD SDI In

Headset DL-400

To Intercom Connector
on Front Panel

Tally Cable TC-550*

Tally In

Tally Out

RET Video In

Remote

RET Video Out

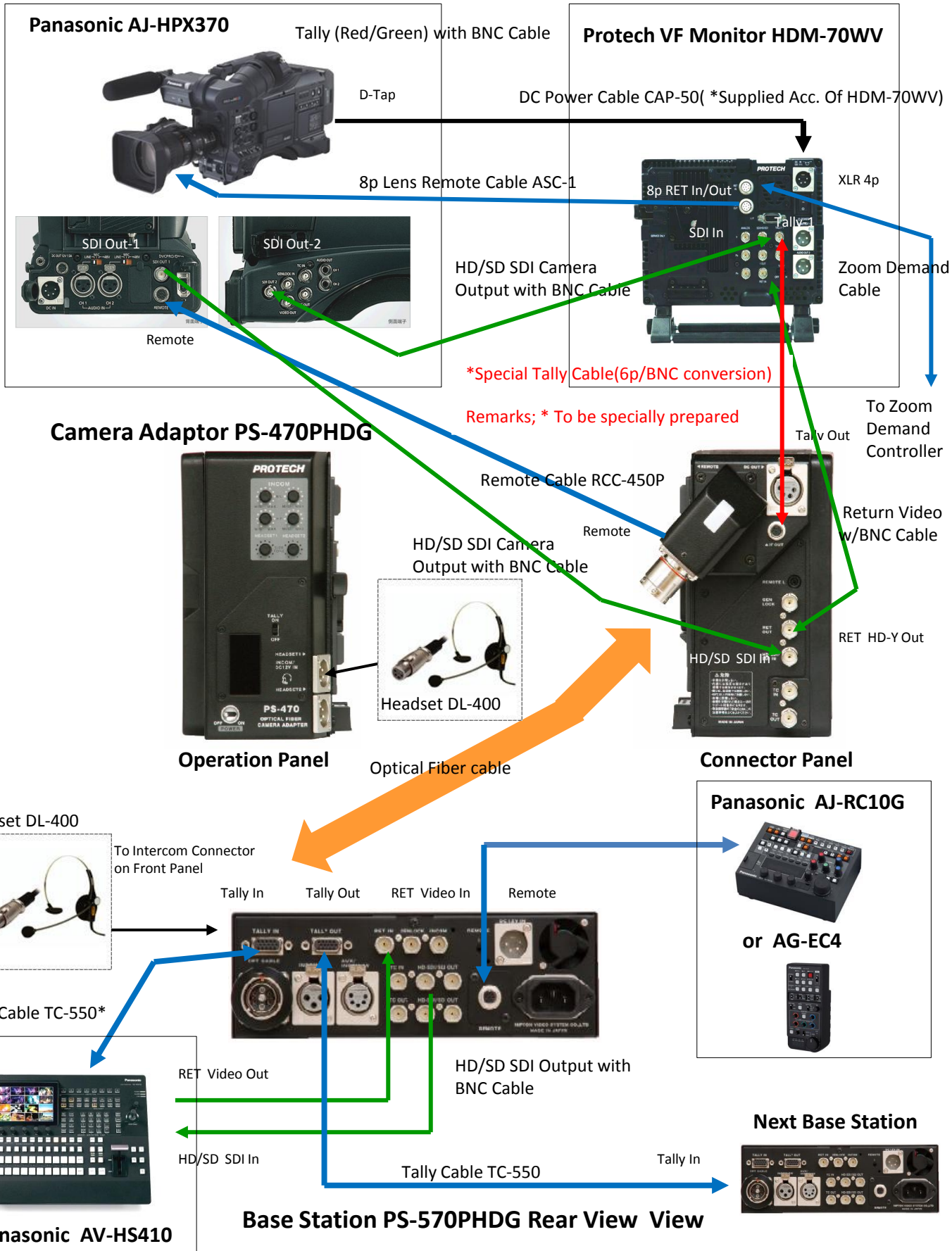
HD/SD SDI Output with
BNC Cable

Tally Cable TC-550

Tally In

HD/SD SDI In

PS-470PHDG Connection Example-B:

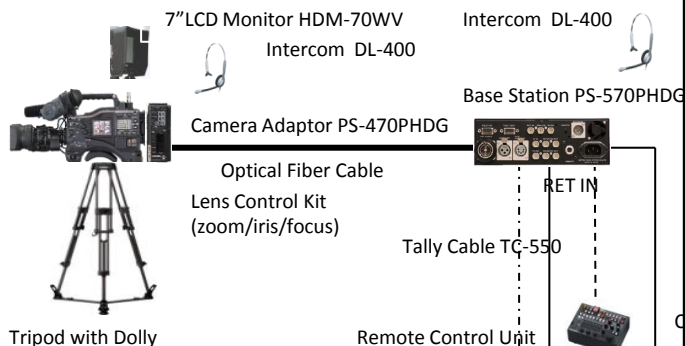


Basic System Configuration:

CASE-1

Camera

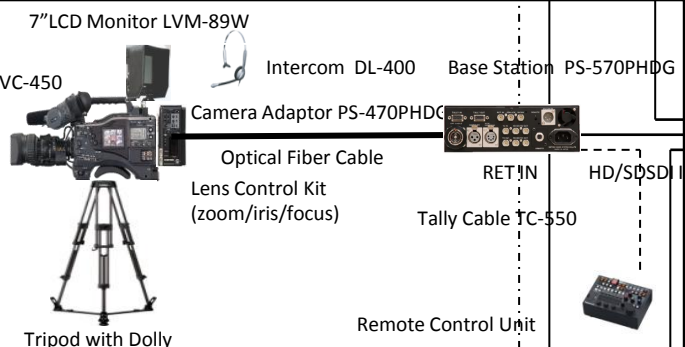
Zoom Lens
Remote Cable
RCC-450P
8pin lens remote
cable ASC-1



CASE-2

Camera

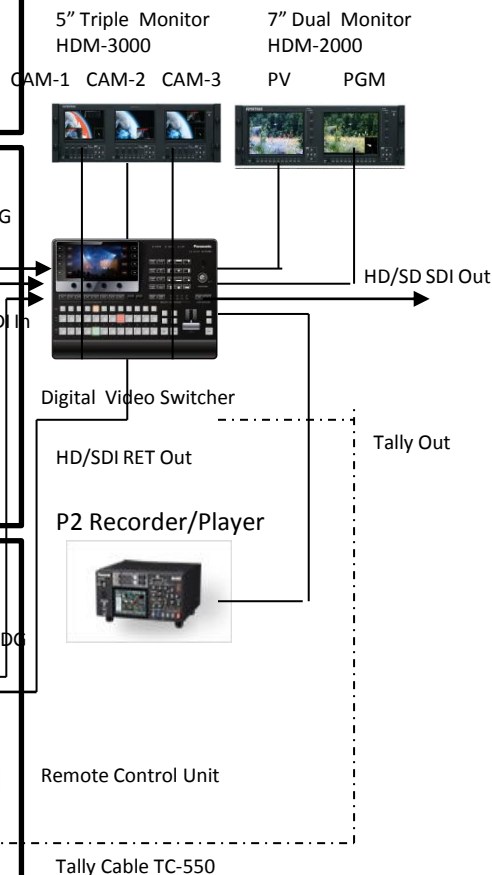
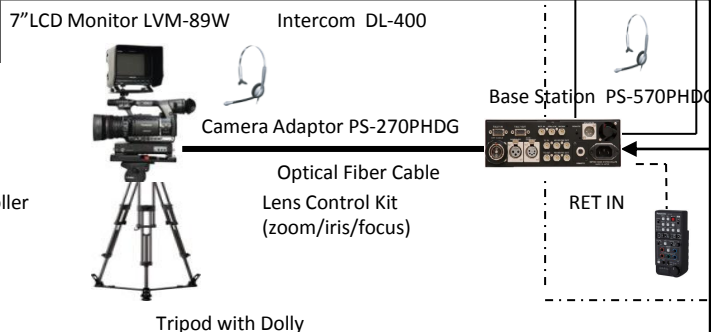
6pin MONI IF Cable VC-450
Zoom Lens
Remote Cable
RCC-450P



CASE-3

Camera

Remote Cable
RCC-450P
Zoom/Iris Controller
Focus Controller



List of Equipment

CASE-1 & CASE-2 (PS-470PHDG)

	Description	Model	Qty	Remarks
1	Shoulder type Camcorder	(AJ-HPX370)	1	Panasonic
2	Tripod Adaptor	(SHAN-TM700)	1	Panasonic
3	Tripod with Dolly	(RS-450)	1	Libec
4	Lens Control Kit		1	Fujinon or Canon
5	Camera Adaptor	PS-470PHDG	1	
6	Remote Cable	RCC-450P	1	
7	8pin Lens Remote Cable, 1m	ASC-1	1	Case-1 only
8	7" LCD Monitor/View Finder	HDM-70WV	1	Case-1 Only
9	8.9" LCD Monitor/View Finder	LVM-89W	1	Case-2 Only
10	6pin MONI IF Cable	VC-450	1	Case-2 Only
11	Optical Fiber cable	ALC-20M/50M/100M	1	
12	Remote Control Unit	(AJ-RC10G or AG-EC4G)	1	Panasonic
13	Base Station	PS-570PHDG	1	
14	Headset with microphone	DL-400	2	
15	Tally Cable	TC-550	1	

CASE-3 (PS-270PHD)

	Description	Model	Qty	Remarks
1	Handheld type Camcorder	(AJ-HPX255)	1	Panasonic
2	Tripod Adaptor	(SHAN-TM700)	1	Panasonic
3	Tripod with Dolly	(RS-350)	1	Libec
4	Zoom/Iris Control Kit		1	NEW
5	Focus Controller		1	NEW
6	Camera Adaptor	PS-270PHD	1	
7	Remote Cable	RCC-450P	1	
8	8.9" LCD Monitor/View Finder	LVM-89W	1	
9	6pin MONI IF Cable	VC-450	1	
10	Optical Fiber cable	ALC-20M/50M/100M	1	
11	Remote Control Unit	(AG-EC4G)	1	Panasonic
12	Base Station	PS-570PHDG	1	
13	Headset with microphone	DL-400	2	
14	Tally Cable	TC-550	1	

(Remarks; in case of Panasonic Camcorder)

Optional Accessory:

Optical Fiber Cable



ALC-20M 20m



ALC-50M 50m



ALC-100M 100m

VF I/F Unit



VIF-100P for Panasonic Camcorder



VIF-100BC for Sony Broadcast Camcorder



VIF-100 for Sony Pro Camcorder

Other cable



VC-450 VF 6p Cable



TC-550 Tally Connection Cable



RCC-450 6p Remote cable



CAP-15 XLR 4p/ Tap Cable(15cm)



CAP-50 XLR 4p/ Tap Cable(50cm)



DC-P175/DC-P155 for Panasonic



DC-Z7J/DC-CS1/DC-EX3 for Sony

DC Power Cable

DC Power Cable



CAN-50, XLR-4p/XLR-4p, 50cm



DC-C40M3, XLR-4p /XLR-4p, 3m

Rack Frame



HS-RA90

Headset



DL-400 Headset

Viewfinder Monitor



HDF-700 7" Master Monitor



HDM-70WV 7" Standard Type



LVM-89W 8.9" Cost Effective



UH25 Bracket for LVM-89W

Basic Specifications:

Basic Specs / Model No.		PS-270HD/PHD/SHDG	PS-470PHDG/SHDG	PS-570PHD/SHDG
Input	HD/SD-SDI	x1 (BNC)	x1(BNC)	RET IN (VBS)
	DC IN	x1 (Base Station)	x2 (V & 4pin XLR)	Tally IN (mini-D-Sub 15p)
	TC IN	x1(BNC)	x1(BNC)	x1(BNC)
Output	HD/SD-SDI	----	----	x2 (HD/SD-SDI :BNC)
	Return-Video	x1 (BNC)	x1(BNC)	x1 (VBS)
	Composite	x1 (BNC)	x1(BNC)	----
	DC Out	x1 (Cam-Tap)	x1(V-mount)	x1 (Optical Fiber)
	Tally Out	x1 (BNC)	x1(BNC)	Tally Out(mini-D-Sub 15p)
	Intercom	x1 (BNC)	x1(BNC)	x1(BNC), 2W & 4W
	Head Set	x1 (4pin XLR)	x1 (4pin XLR)	x1 (4pin XLR)
	TC Out	x1(BNC)	x1(BNC)	x1(BNC)
	Optical Fiber	x1	x1	x1
	Remote	Except PS-270HD	x1	x1
	Gen Lock	PS-270SHDG only	x1	x1
Power		DC13.7V 7A	DC12V 20W	AC or DC12V
Size (mm)		179 x 59 x 246	180 x 169 x 91	215 x 71 x 320
Weight		1.5 kg	1.8kg	3.9kg
Safety Regulation Approval		Pro CE, FCC	Pro CE, FCC	Pro CE, FCC

Specifications are subject to change without notice.



Head Office

3-2-9 Nishitemma, Kita-ku, Osaka 530-0047, Japan

Tel: +81(0)6-6363-4601 Fax: +81(0)6-6363-3666

Web Site; <http://www.systecintl.com>

Dubai Office;

P.O. Box 17103 J.A. Free Zone, Dubai U.A.E.

Tel: +971(0)4 883 5057

Fax: +971(0)4 883 8226